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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/788,555 02/27/2004		Peter G. Knopp	AT-000221 US	7054	
	7590 02/23/2007 TRAURIG, LLP (SV2)		EXAMINER		
2450 Colorado A	Avenue, Suite 400E		STOKES, CANDICE CAPRI		
Santa Monica, C	CA 90404		ART UNIT	PAPER NUMBER	
			3732	· · · · · · · · · · · · · · · · · · ·	
SHORTENED STATUTORY	Y PERIOD OF RESPONSE	, MAIL DATE	. DELIVERY MODE		
3 MON	NTHS	02/23/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

, .		Applic	ation No.	Applicant(s)			
Office Action Summary		10/788	,555	KNOPP, PETER G.			
		Exami	ner	Art Unit			
		Candic	e C. Stokes	3732			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHO WHIC - Exter after - If NO - Failui Any r	ORTENED STATUTORY PERIOD FOR THEVER IS LONGER, FROM THE MASSIONS of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this communication for reply is specified above, the maximum state to reply within the set or extended period for reply reply received by the Office later than three months afted patent term adjustment. See 37 CFR 1.704(b).	AILING DATE OF of 37 CFR 1.136(a). In no inication. utory period will apply an vill, by statute, cause the	THIS COMMUNICATIO event, however, may a reply be tind d will expire SIX (6) MONTHS from application to become ABANDONE	N. mely filed the mailing date of this c ED (35 U.S.C. § 133).			
Status	. ,						
 Responsive to communication(s) filed on 19 December 2006. This action is FINAL. 2b) This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. 							
Disposition of Claims							
5)	Claim(s) 1-6,8-14,16-21,23 and 25-26 4a) Of the above claim(s) is/are Claim(s) is/are allowed. Claim(s) 1-6,8-14 and 16-21 is/are re Claim(s) 23 and 25-28 is/are objected Claim(s) are subject to restrict on Papers The specification is objected to by the The drawing(s) filed on is/are: Applicant may not request that any objected Replacement drawing sheet(s) including	e withdrawn from jected. d to. ion and/or election Examiner. a) accepted or tion to the drawing(sthe correction is required.	consideration. n requirement. b) objected to by the s) be held in abeyance. Se uired if the drawing(s) is objected to be the drawing(s).	e 37 CFR 1.85(a). njected to. See 37 Cl			
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application Paper No(s)/Mail Date							

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 12/19/06 has been entered.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-2,4-6,14,16-17 and 19-21 are rejected under 35 U.S.C. 102(e) as being anticipated by Chishti et al (US 2005/0244782). Chishti et al disclose a method for moving teeth, comprising: moving a first tooth; and moving a second tooth while isolating the first tooth at a rest position. As to claim 2, Chishti et al disclose the second tooth is moved for a first duration and immobilized for a second duration. Regarding claim 4, the method as disclosed further comprises generating a plurality of appliances based on the moving of the tooth, wherein the appliances comprise polymeric shells having cavities and wherein the cavities of successive shells have different geometries shaped to receive and resiliently reposition the teeth from one

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arrangement to a successive arrangement. As to claim 5, a first cavity isolates the first tooth at the rest position. To claims 6 and 7, a second cavity urges the second tooth to one of the successive position. Specifically Chishti et al disclose, "according to the present invention, systems and methods are provided for incrementally moving teeth using a plurality of discrete appliances, where each appliance successively moves one or more of the patient's teeth by relatively small amounts" (paragraph [0053]). Chishti et al also disclose "a preferred appliance 111 will comprise a polymeric shell having a cavity shaped to receive and resiliently reposition teeth from one tooth arrangement. The polymeric shell will preferably, but not necessarily, fit over all teeth present in the upper or lower jaw. Often, only certain one(s) of the teeth will be repositioned while others of the teeth will provide a base or anchor region for holding the repositioning appliance in place as it applies the resilient repositioning force against the tooth or teeth to be repositioned" (paragraph [0055]). This also anticipates claims 13-17 and 20. This also reads on amended claims 1 and 21 because the tooth that's not being repositioned is the tooth that is being isolated by not applying the repositioning force. As to claim 19, Chishti et al disclose "the polymeric appliance 111 of Fig. 1C is preferably formed from a thin sheet of a suitable elastomeric polymeric material" (paragraph [0056]). Regarding claim 21, Chishti et al further disclose a system for generating one or more appliances for a patient includes a processor (302); a display device (318 see paragraphs [0121] & [0123]) coupled to the processor (302); a data storage device (314) coupled to the processor (302); a scanner (320) coupled to the processor for providing data to model the patient's masticatory system; means for moving a first tooth; means for moving a second tooth while isolating the first tooth at a rest position; and a

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dental appliance fabrication machine (322) coupled to the processor (302) for generating the appliances in accordance with the moved tooth and the isolated tooth.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 3, 8-12, and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chishti et al. Chishti et al disclose the claimed invention except for duration being the periods of time as claimed. It would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate any duration of time between moving teeth whether it is weekly, monthly, daily, etc. in order to provide a variation of implemented treatment schedules as suitable to each individual patient.

Allowable Subject Matter

Claims 23 and 25-28 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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Response to Arguments

Applicant's arguments filed on 12/19/06 have been considered but are moot in view of

the new ground(s) of rejection. The rejection has been modified after further review of the

reference.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Candice C. Stokes whose telephone number is (571) 272-4714.

The examiner can normally be reached on 8:00am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Cris Rodriguez can be reached on (571) 272-4964. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

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like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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